

## Certificate of Analysis

Date of Testing: 2022-05-11 10:38:19

Date of Next Testing: 2026-05-10 10:38:19

Product Name: **Potassium phosphate monobasic**

CAS Number: 7778-77-0

Specifications & Purity: for HPLC, ≥99.5%(T)

Lot #: E2209135

SKU #: **P113045**

**Analysis: 090505**

Parameter	Limit Values	Result
UV Absorbance 210nm(10 % in H2O)	0-0.1	0.04
UV Absorbance 300nm(10 % in H2O)	0-0.02	0.01
UV Absorbance 230nm(10 % in H2O)	0-0.04	0.03
UV Absorbance 500nm(10 % in H2O)	0-0.02	0.00
UV Absorbance 220nm(10 % in H2O)	0-0.06	0.03
Purity(Neutralization titration)	99.5-100.5 (%)	99.99%
Appearance (P113045)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Filtration test	corresponds to standard	corresponds to standard
pKa	6.8	6.8
Solubility in H2O , soluble0.1 g/mL at 25 °C, clear, colorless	pass	Pass
test for RP gradient	corresponds to standard	corresponds to standard
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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